

**Proposed Changes**  
**in 410 IAC 6-8.2 for Onsite Sewage Systems**  
**between document as published in Indiana Register on June 1, 2003**  
**and as proposed to ISDH Executive Board on March 10, 2004.**  
**Indiana State Department of Health**

This document identifies all changes to 410 IAC 6-8.2 (as published in the Indiana Register on June 1, 2003) in response to comments received during the public hearing period. Public hearings were held in Indianapolis on July 1, LaPorte on July 30, and Seymour on August 6, 2003. The public comment period was held open until August 13, 2003. The department received oral and written comments from a total of 144 people.

The following legend was developed to illustrate how the department documented its changes to 410 IAC 6-8.2 in response to comments received during the public hearing comment period. The Wastewater Management Committee (WWMC) of the Indiana Environmental Health Association suggested numerous revisions which are shown in this document with green highlight (dark gray on documents printed in black and white). Rewording of a WWMC suggested revision, or rewording resulting from a change elsewhere in the document (prompted by a comment received), are shown in light gray highlight. Revisions based on comments from other sources are shown with no highlight, noting the 'source of the comment' in a 'text box':

Legend	
WWMC:	<u>Addition</u> or <del>Deletion</del>
WWMC:	<u>Addition</u> or <del>Deletion</del> rejected by ISDH
ISDH:	<u>Addition</u> or <del>Deletion</del>
Other:	<u>Addition</u> or <del>Deletion</del> (source noted in Text Box)

February 10, 2004

**TITLE 410 INDIANA STATE DEPARTMENT OF HEALTH  
PROPOSED RULE  
LSA DOCUMENT #02-321**

**DIGEST**

Adds 410 IAC 6-8.2 to establish the requirements pertaining to the disposition of excremental and sewage matter through the design, installation, construction, maintenance, and operation of commercial facility, residential, cluster, and experimental and alternative technology onsite sewage systems. Repeals 410 IAC 6-8.1 and 410 IAC 6-10. Effective ~~30 days after filing with the secretary of state~~ March 1, 2005.

410 IAC 6-8.1

410 IAC 6-8.2

410 IAC 6-10

**SECTION 1. 410 IAC 6-8.2 IS ADDED TO READ AS FOLLOWS:**

**Rule 8.2. Onsite Sewage Systems**

**410 IAC 6-8.2-1 Applicability**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

Sec. 1. The definitions in this rule apply throughout this rule. (*Indiana State Department of Health; 410 IAC 6-8.2-1*)

**410 IAC 6-8.2-~~32~~ “Alternative technology onsite system” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

~~Sec. 3.~~ Sec. 2. “Alternative technology onsite system” means an onsite system that includes:

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(1) A component, equipment, secondary treatment ~~device~~ unit, or high strength waste device not described in Technical Specification for Onsite Sewage Systems, 2003 ~~2005~~ 2005 Edition, Chapters 1 through 7 for which sufficient research documentation, field performance documentation, or data for use in Indiana has been documented demonstrating that it meets ~~department standards~~ the requirements of Sections 45, 56, and 57.

(2) An alternative technology soil absorption field defined in Section 23 of this rule. (*Indiana State Department of Health; 410 IAC 6-8.2-~~32~~*)

**410 IAC 6-8.2-~~23~~ “Alternative technology soil absorption field” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

4IBA | ~~Sec. 2.~~ Sec. 3. “Alternative technology soil absorption field” means any soil absorption field technology or design not described in **Technical Specification for Onsite Sewage Systems, 20032005 Edition, Chapters 6 and 7** for which sufficient research, field performance, or data for use in Indiana has been documented demonstrating that it meets ~~department standards~~ **the requirements of Sections 45 and 56.** (Indiana State Department of Health; 410 IAC 6-8.2-~~23~~)

**410 IAC 6-8.2-4 “Bedroom” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

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Sec. 4. “Bedroom” means any room in a residence that ~~is~~ **could be** used for the purpose of sleeping and contains an area of ~~forty-five (45)~~ **seventy (70)** square feet or more **and** at least one (1) operable window or exterior door **approved** for emergency egress or rescue, ~~and, for new construction, a closet.~~ (Indiana State Department of Health; 410 IAC 6-8.2-4)

**410 IAC 6-8.2-5 “Cluster onsite system” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

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Sec. 5. “Cluster onsite system” means an onsite system shared by two (2) or more residences, two (2) or more commercial facilities, or any combination thereof. A cluster onsite system is a commercial facility onsite system. (Indiana State Department of Health; 410 IAC 6-8.2-5)

**410 IAC 6-8.2-6 “Commercial facility” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

Sec. 6. “Commercial facility” means any building or place not used exclusively as a residence or residential outbuilding. A commercial facility includes, but is not limited to:

- (1) an office building;
- (2) a manufacturing facility;
- (3) a single structure used or intended to be used for permanent or seasonal human habitation for sleeping three (3) or more families (apartment, multiplex, townhouse, or condominium);
- (4) a motel;
- (5) a restaurant;
- (6) a regulated facility as defined in Section 30; or
- (7) any grouping of residences served by a cluster onsite system.

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(Indiana State Department of Health; 410 IAC 6-8.2-6)

**410 IAC 6-8.2-7 “Commercial facility onsite system” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

Sec. 7. “Commercial facility onsite system” means an onsite system for a commercial facility. (*Indiana State Department of Health; 410 IAC 6-8.2-7*)

Sec. 8,  
Construction  
revised by  
WWMC &  
moved to  
Sec. 39,  
Start of  
Construction

**~~410 IAC 6-8.2-8 “Construction” defined~~**

**~~Authority: IC 16-19-3-4; IC 16-19-3-5~~**

**~~Affected: IC 16-19-3~~**

~~8. “Construction” means, but is not limited to:~~

~~(1) earth-moving operations;~~

~~(2) excavation of an existing grade for a foundation or footings;~~

~~(3) delivery of construction materials to the property; or~~

~~(4) delivery of manufactured housing.~~

~~(Indiana State Department of Health; 410 IAC 6-8.2-8)~~

**~~410 IAC 6-8.2-98 “Department” defined~~**

**~~Authority: IC 16-19-3-4; IC 16-19-3-5~~**

**~~Affected: IC 16-19-3~~**

~~Sec. 9.~~ Sec. 8. “Department” means the Indiana state department of health. (*Indiana State Department of Health; 410 IAC 6-8.2-98*)

**~~410 IAC 6-8.2-109 “Design daily flow” defined~~**

**~~Authority: IC 16-19-3-4; IC 16-19-3-5~~**

**~~Affected: IC 16-19-3~~**

~~Sec. 10.~~ Sec. 9. “Design daily flow” means the assigned peak daily flow of sewage, in gallons per day, from a residence or commercial facility as calculated from **Technical Specification for Onsite Sewage Systems, 20032005 Edition, Chapter 5, Section I, Design Daily Flow of Sewage.** (*Indiana State Department of Health; 410 IAC 6-8.2-109*)

**~~410 IAC 6-8.2-1110 “Disturbance or alteration” defined~~**

**~~Authority: IC 16-19-3-4; IC 16-19-3-5~~**

**~~Affected: IC 16-19-3~~**

~~Sec. 11.~~ Sec. 10. “Disturbance or alteration” means the disturbance or alteration of a soil absorption field site and includes, but is not limited to, the following:

- (1) The addition of fill.
- (2) The cutting, scraping, or removal of soil.
- (3) Compaction of soil at the site resulting in densic material.
- (4) Erosion or sedimentation.
- (5) The removal of tree root balls.

(*Indiana State Department of Health; 410 IAC 6-8.2-1110*)

**~~410 IAC 6-8.2-11 “Effluent” defined~~**

**~~Authority: IC 16-19-3-4; IC 16-19-3-5~~**

**~~Affected: IC 16-19-3~~**

Sec. 11. “Effluent” means sewage that has received treatment from a septic tank, or other means approved by the department, before treatment in the soil. (*Indiana State Department of Health; 410 IAC 6-8.2-11*)

**410 IAC 6-8.2-~~1311~~12 “Experimental technology onsite system” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

~~Sec. 13.~~Sec. 12. “Experimental technology onsite system” means an onsite system that includes:

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(1) A component, equipment, secondary treatment ~~device~~unit, or high strength waste device not described in **Technical Specification for Onsite Sewage Systems, 20032005 Edition, Chapters 1 through 7** for which ~~sufficient~~research, field performance, or data for use in Indiana has not been documented demonstrating that it meets ~~department standards the requirements of~~ **Sections 45, 55, and 57**.

(2) An experimental technology soil absorption field defined in **Section 4213** of this rule.

(*Indiana State Department of Health; 410 IAC 6-8.2-~~1311~~12*)

**410 IAC 6-8.2-~~123~~ “Experimental technology soil absorption field” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

~~Sec. 12.~~Sec. 13. “Experimental technology soil absorption field” means any soil absorption field technology or design not described in **Technical Specification for**

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**Onsite Sewage Systems, 20032005 Edition, Chapters 6 and 7** for which ~~sufficient~~research, field performance, or data for use in Indiana has not been documented demonstrating that it meets ~~department standards the requirements of~~ **Sections 45 and 55**. (*Indiana State Department of Health; 410 IAC 6-8.2-~~123~~*)

**410 IAC 6-8.2-14 “Fill” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

Sec. 14. “Fill” is characterized by one (1) or more of the following:

(1) No soil horizons.

(2) Depositional stratification created by the movement of soil by man.

(3) A soil horizon that has been covered by man.

~~(4) Soil structure that has been modified or altered.~~

~~(5)~~(4) Materials not indigenous to a soil horizon, such as cinders, refuse or construction materials.

changes  
accepted  
by  
Purdue  
Univ.

(*Indiana State Department of Health; 410 IAC 6-8.2-14*)

**410 IAC 6-8.2-15 “Health Officer” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

Sec. 15. “Health officer” means the health officer of a local health department as referred to in **IC 16-20**. (*Indiana State Department of Health; 410 IAC 6-8.2-15*)

**410 IAC 6-8.2-16 “High strength waste” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

Sec. 16. “High strength waste” means septic tank effluent quality in excess of two-hundred and fifty (250) mg/L for **carbonaceous** biochemical oxygen demand (**CBOD5**) or total suspended solids (TSS). (*Indiana State Department of Health; 410 IAC 6-8.2-16*)

**410 IAC 6-8.2-17 “High strength waste device” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

Sec. 17. “High strength waste device” means any biological, chemical, or physical process or system for treating high strength waste, after primary treatment in a septic tank, for discharge to a secondary treatment **device-unit** or to a soil absorption field. (*Indiana State Department of Health; 410 IAC 6-8.2-17*)

**410 IAC 6-8.2-18 “Local health board” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

Sec. 18. “Local health board” means a local board of health of a local health department as referred to in IC 16-20. (*Indiana State Department of Health; 410 IAC 6-8.2-18*)

**410 IAC 6-8.2-~~18~~**19** “Local health department” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

~~Sec. 18.~~Sec. 19. “Local health department” means a department organized by a county or city executive with a board, a health officer, and an operational staff to provide health services to a county, city, or multiple county unit. (*Indiana State Department of Health; 410 IAC 6-8.2-~~18~~**19***)

**410 IAC 6-8.2-~~19~~**20** “Onsite system” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

~~Sec. 19.~~Sec. 20. “Onsite system” means:

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- (1) all equipment and devices necessary for ~~proper~~ onsite conduction, collection, storage, and treatment of sewage; and
- (2) absorption of sewage in soil;  
from a residence or commercial facility. (*Indiana State Department of Health; 410 IAC 6-8.2-~~19~~**20***)

**410 IAC 6-8.2-~~2019~~21 “Onsite system approval letter” or “approval letter” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

~~Sec. 20.~~Sec. 21. “Onsite system approval letter” or “approval letter” means written approval from the department for the construction of a new onsite system, onsite system repair, or the soil absorption field replacement or expansion of a soil absorption field. (*Indiana State Department of Health; 410 IAC 6-8.2-~~2019~~21*)

**410 IAC 6-8.2-~~21~~2022 “Onsite system construction permit” or “construction permit” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

~~Sec. 21.~~Sec. 22. “Onsite system construction permit” or “construction permit” means written approval from a local health department for the construction of a new onsite system, onsite system repair, or the soil absorption field replacement or expansion of a soil absorption field. (*Indiana State Department of Health; 410 IAC 6-8.2-~~21~~2022*)

**410 IAC 6-8.2-~~222~~223 “Onsite system failure” or “failure” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

~~Sec. 22.~~Sec. 23. “Onsite system failure” or “failure” means an onsite system that exhibits one (1) or more of the following:

- (1) Soil absorption field refuses to accept sewage at the rate of application, thereby interfering with the normal use of plumbing fixtures or resulting in the discharge of effluent to the ground surface or to surface waters.
- (2) Failure of, or damage to, any component of an onsite system, thereby interfering with the normal use of plumbing or resulting in the discharge of effluent to the ground surface or to surface waters.
- (3) Effluent discharged from the onsite system causing contamination of a potable water supply, ground water, or surface water.

(*Indiana State Department of Health; 410 IAC 6-8.2-~~222~~223*)

**410 IAC 6-8.2-~~232~~224 “Onsite system, new” or “new onsite system” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

~~Sec. 23.~~Sec. 24. “Onsite system, new” or “new onsite system” means the construction of an onsite system to serve a new residence or new commercial facility where the residence or commercial facility will not be connected to a wastewater treatment plant or to an existing onsite system. (*Indiana State Department of Health; 410 IAC 6-8.2-~~232~~224*)

**410 IAC 6-8.2-~~242~~325 “Onsite system operating permit” or “operating permit” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected: IC 16-19-3**

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~~Sec. 24.~~Sec. 25. \_\_\_\_\_ “Onsite system operating permit” or “operating permit” means written ~~renewable~~ approval by a local health department or department, whichever has authority, for the continued use of an onsite system. (*Indiana State Department of Health; 410 IAC 6-8.2-~~2423~~25*)

**410 IAC 6-8.2-~~2524~~26 “Onsite system repair” or “repair” defined**

**Authority: IC 16-19-3-4; IC 16-19-3-5**

**Affected: IC 16-19-3**

~~Sec. 25.~~Sec. 26. \_\_\_\_\_ “Onsite system repair” or “repair” means the repair or replacement of any onsite system component with a like component other than the replacement or expansion of a soil absorption field. (*Indiana State Department of Health; 410 IAC 6-8.2-~~2524~~26*)

**410 IAC 6-8.2-~~2625~~27 “Owner” defined**

**Authority: IC 16-19-3-4; IC 16-19-3-5**

**Affected: IC 16-19-3**

~~Sec. 26.~~Sec. 27. \_\_\_\_\_ “Owner” means the deed holder of record. (*Indiana State Department of Health; 410 IAC 6-8.2-~~2625~~27*)

**410 IAC 6-8.2-~~2726~~28 “Person” defined**

**Authority: IC 16-19-3-4; IC 16-19-3-5**

**Affected: IC 16-19-3**

~~Sec. 27.~~Sec. 28. \_\_\_\_\_ “Person” means any individual, partnership, co-partnership, corporation, company, firm, association, society, holding company, trust, trustee, estate, school corporation, school city, school town, school district, any unit of government, or any other legal entity, its or their successors or assigns. (*Indiana State Department of Health; 410 IAC 6-8.2-~~2726~~28*)

**410 IAC 6-8.2-~~2827~~29 “Plan submittal” defined**

**Authority: IC 16-19-3-4; IC 16-19-3-5**

**Affected: IC 16-19-3**

~~Sec. 28.~~Sec. 29. \_\_\_\_\_ “Plan submittal” means all information required for the local health department or department to review the design, location, construction, maintenance, and operation of a proposed onsite system. A plan submittal includes, but is not limited to, an application, written site evaluation report, property plat, and onsite system plan. (*Indiana State Department of Health; 410 IAC 6-8.2-~~2827~~29*)

**410 IAC 6-8.2-~~2928~~30 “Regulated facility” defined**

**Authority: IC 16-19-3-4; IC 16-19-3-5**

**Affected: IC 16-19-3**

~~Sec. 29.~~Sec. 30. \_\_\_\_\_ “Regulated facility” means any facility regulated by law including, but not limited to, the following:

- (1) A school facility.



- (2) A child care facility.
- (3) A long-term care facility.
- (4) An acute care facility.
- (5) A correctional facility.
- (6) A state facility.
- (7) A mobile home park
- (8) A campground.
- (9) An agricultural labor camp.

(Indiana State Department of Health; 410 IAC 6-8.2-~~292830~~)

**410 IAC 6-8.2-~~302931~~ “Residence” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

~~Sec. 30.~~Sec. 31. “Residence” means a single structure used or intended to be used for permanent or seasonal human habitation for sleeping one (1) or two (2) families.

(Indiana State Department of Health; 410 IAC 6-8.2-~~302931~~)

**410 IAC 6-8.2-~~313032~~ “Residential onsite system” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

~~Sec. 31.~~Sec. 32. “Residential onsite system” means an onsite system for a residence or a residential outbuilding. (Indiana State Department of Health; 410 IAC 6-8.2-~~313032~~)

**410 IAC 6-8.2-~~323133~~ “Residential outbuilding” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

~~Sec. 32.~~Sec. 33. “Residential outbuilding” means a building, for the private use of the owner, located on the property of a residence and not used or intended to be used for permanent or seasonal human habitation or sleeping. (Indiana State Department of Health; 410 IAC 6-8.2-~~323133~~)

**410 IAC 6-8.2-~~333234~~ “Sanitary vault privy” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

~~Sec. 33.~~Sec. 34. “Sanitary vault privy” means a device, using a watertight vault, for the collection of human excrement. It does not mean a composting toilet or an incinerating toilet. (Indiana State Department of Health; 410 IAC 6-8.2-~~333234~~)

**410 IAC 6-8.2-~~343335~~ “Secondary treatment deviceunit” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

~~Sec. 34.~~Sec. 35. “Secondary treatment deviceunit” means any biological, chemical, or physical process or system for improving sewage effluent quality after primary

treatment in a septic tank and prior to discharge to a soil absorption field. (*Indiana State Department of Health; 410 IAC 6-8.2-~~343335~~*)

**410 IAC 6-8.2-~~353436~~ “Sewage” or “wastewater” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

~~Sec. 35.~~ Sec. 36. “Sewage” or “wastewater” means all human excrement and water-carried waste derived from ordinary living processes. (*Indiana State Department of Health; 410 IAC 6-8.2-~~353436~~*)

**410 IAC 6-8.2-~~363537~~ “Soil” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

~~Sec. 36.~~ Sec. 37. “Soil” means natural, non-filled, mineral or organic matter on the surface of the earth that shows the effects of genetic and environmental factors. These factors include climate (water and temperature effects), microorganisms, macro-organisms, and topography acting on a parent material over time. (*Indiana State Department of Health; 410 IAC 6-8.2-~~363537~~*)

**410 IAC 6-8.2-~~373638~~ “Soil absorption field” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

~~Sec. 37.~~ Sec. 38. “Soil absorption field” means the portion of the onsite system into which effluent discharges for absorption by the soil. (*Indiana State Department of Health; 410 IAC 6-8.2-~~373638~~*)

**410 IAC 6-8.2-~~383739~~ “Soil absorption field replacement” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

~~Sec. 38.~~ Sec. 39. “Soil absorption field replacement” means the replacement or expansion of a soil absorption field. (*Indiana State Department of Health; 410 IAC 6-8.2-~~383739~~*)

**410 IAC 6-8.2-~~393840~~ “Soil scientist” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3; IC 25-31.5

~~Sec. 39.~~ Sec. 40. “Soil scientist” means an individual registered as a professional soil scientist with the Indiana Registry of Soil Scientists (IRSS) as provided for under **IC 25-31.5**. (*Indiana State Department of Health; 410 IAC 6-8.2-~~393840~~*)

**410 IAC 6-8.2-~~3941~~ “Start of construction” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

**Sec. 41.** “Start of construction” means, but is not limited to, site improvements related to a residence or commercial facility, and includes excavation of an existing grade for a foundation or footings, or delivery of manufactured housing.

*(Indiana State Department of Health; 410 IAC 6-8.2-3941)*

**410 IAC 6-8.2-4042 “Temporary sewage holding tank” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

~~Sec. 40.~~**Sec. 42.** “Temporary sewage holding tank” means a watertight tank temporarily used to receive and store sewage pending its delivery to an approved treatment facility. *(Indiana State Department of Health; 410 IAC 6-8.2-4042)*

**410 IAC 6-8.2-4143 “Wastewater treatment plant” defined**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 13-11-2; IC 16-19-3

~~Sec. 41.~~**Sec. 43.** “Wastewater treatment plant means a system of treatment works as defined in **IC 13-11-2-258** installed to treat sewage, industrial wastes, and other wastes delivered by a system of sewers, whether owned or operated by the state, a municipality, or a person, firm, or corporation. The term does not include onsite systems. *(Indiana State Department of Health; 410 IAC 6-8.2-4143)*

**410 IAC 6-8.2-4244 Authority**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

~~Sec. 42.~~**Sec. 44.** (a) Local health departments have authority for the following:

(1) Residential onsite systems, except onsite systems described in **Section (b)(3) and (b)(4)**, unless the department has delegated plan review and approval under the provisions of **Section (c)(2)**.

(2) Residential temporary sewage holding tanks.

(3) Operating permits for the following:

(A) Residential onsite systems.

(B) Residential experimental and alternative technology onsite systems.

(C) Commercial facility onsite systems for which plan review and construction permit issuance has been delegated to the local health department under **Section (c)(1)**.

(b) The department has authority for the following:

(1) Commercial facility onsite systems.

(2) Commercial facility temporary sewage holding tanks.

(3) Plan review and approval for residential experimental and alternative technology onsite systems for those counties that have not met the requirements of **Section (c)**.

(4) Onsite systems requiring variable manifold sizing or variable hole spacing.

- 5IBA- (5) Operating permits for commercial facility onsite systems unless plan review and construction permit issuance has been delegated to the local health department under Section (c)(1).
- 5IBA- (c) The department may delegate to local health departments or revoke, in writing, plan review, ~~approval~~, and construction permit issuance for the following:
- (1) Commercial facility onsite systems with design daily flows of seven hundred fifty (750) gallons per day or less when the department provides design criteria for each onsite system site.
- (2) Residential experimental and alternative technology onsite systems, when all of the following occur:
- 5IBA- (A) Staff of the local health department have been trained ~~to the satisfaction of~~ by the department in the plan review, approval, inspection, and operation of the experimental ~~and/or~~ alternative technology onsite system.
- 5IBA- (B) The local health department complies with the requirements of the department for plan review, approval, and inspection.
- 2TD (C) ~~The requirements of Section (d) have been met.~~
- 2RW1 (3) Onsite systems requiring variable manifold sizing or variable hole spacing when staff of the local health department have been trained to the satisfaction of the department in the design of this technology.
- 4IBA (d) ~~Local health departments shall not issue a permit for an experimental or alternative onsite system for which operation and maintenance is required in Technical Specification for Onsite Sewage Systems, 2003 Edition, Chapter 8 until:~~
- (1) ~~Local mechanisms and procedures have been established for the oversight and documentation of operation and maintenance of experimental or alternative onsite systems; and~~
- (2) ~~Local mechanisms and procedures have been established for enforcement of the operation and maintenance requirements of experimental or alternative onsite systems.~~
- (e)(d) Local health departments shall establish written procedures, approved by the local health board, for:
- (1) Notification of the local health department by owners, or agents of owners, for the inspection of residential new onsite systems or soil absorption field replacement required in Section 4951(e)(1) of this rule;
- (2) Inspection of onsite systems required in Section 4951(b) of this rule, and documentation of inspections required in Section 4951(h)(2) of this rule; and
- (3) Replacement or reconstruction of a residence of the same number or fewer bedrooms to an existing onsite system when the local health department determines a soil absorption field replacement is necessary.

(Indiana State Department of Health; 410 IAC 6-8.2-~~4244~~)

#### **410 IAC 6-8.2-~~4345~~ General onsite system requirements**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 13-3; IC 13-18-12; IC 13-18-19; IC 13-26; IC 14-33; IC 16-19-3

~~Sec. 43.~~ Sec. 45. (a) No person may cause or contribute to a health hazard or water pollution by disposing of any organic or inorganic matter from an onsite system into surface water, groundwater or onto the ground surface.

(b) The point source discharge of sewage, treated or untreated, from a residence or its associated sewage system to surface water, ground water, or the ground surface is prohibited except as provided in **IC 13-18-12-9**.

4RW

(c) Any residence, residential outbuilding, ~~or commercial facility,~~ that generates sewage, ~~or commercial facility, that and~~ is not connected to a wastewater treatment plant, shall comply with this rule.

4RW

(d) Any residence or residential outbuilding that generates sewage, and is not connected to a wastewater treatment plant, shall have an onsite system that is not in failure.

(e) A residential outbuilding may be connected to either of the following:

(1) A residential onsite system if it is not in failure.

(2) A separate onsite system which meets the requirements of this rule and is sized in accordance with **Technical Specification for Onsite Sewage Systems, 20032005 Edition, Chapter 5, Section I**.

(f) The design, location, construction, maintenance, and operation of an onsite system shall comply with this rule and all applicable local ordinances.

(g) Any commercial facility not connected to a wastewater treatment plant and which does not have a point source discharge permit under **IC 13-18-19** shall have an onsite system that is not in failure.

(h) Any residence, residential outbuilding, or commercial facility served by a sanitary vault privy shall have an onsite system that meets the requirements of this rule for any water-carried sewage generated by the residence, residential outbuilding, or commercial facility.

(i) The point source discharge of sewage, treated or untreated, from a commercial facility shall comply with **327 IAC 5**.

(j) A commercial wastewater treatment facility that has a point source discharge permit from the Indiana department of environmental management (IDEM) under **IC 13-18-19** is exempt from the requirements of this rule.

5IBA-

(k) Any commercial facility for which a construction permit for an onsite system has been issued pursuant to **327 IAC 3** and which is owned, operated, or maintained by an incorporated city or town, a conservancy district established pursuant to **IC 14-33**, or a regional sewer district established pursuant to **IC 13-3**, is exempt from the requirements of this rule. This section shall not be construed as an exemption for any commercial facility onsite system located on the premises of and serving only schools or municipal facilities.

(l) To determine if a person is subject to, or in violation of this rule, agents of the department or the local health department shall be permitted to enter upon all properties, at reasonable times, for any of the following reasons:

(1) Inspection of facilities, equipment or records.

(2) Investigation of allegations.

(3) Determination of soil characteristics.

(4) Conduction of tests.

(5) Collection of samples.

(m) A recorded easement or other legally executed document, which grants permission for construction, access, and maintenance, shall be obtained from adjacent property owner(s) for any portion of an onsite system located on property other than that from which the sewage originates.

(n) Written permission to use a legally established drainage improvement shall be obtained from the public agency with jurisdiction before an approval letter or construction permit from the department or local health department, whichever has authority, may be issued.

5IBA-

5IBA-

(o) An owner shall obtain an approval letter or construction permit from the department or local health department, whichever has authority, for the use of a privy. Privies shall conform to the department **Bulletin SE 11, "The Sanitary Vault Privy," 1986 Edition.**

5IBA-

(p) A soil absorption field site shall not be disturbed or altered, except as approved by the conditions of the approval letter or construction permit, between the time of collection of information for the written site evaluation report and commencement of construction of the onsite system.

(q) An onsite system may not receive water from any of the following:

(1) Roof drains.

(2) Foundation drains.

(3) Sump pumps.

(4) Swimming pool drains.

(5) Hot tub drains.

(6) Area drains.

(7) Floor drains.

(r) An onsite system may not be used for the disposal of chemical waste or chemical wastewater other than water softener or iron filter waste. For the purposes of this rule, the normal use of housekeeping cleaners and detergents do not constitute chemical waste. (*Indiana State Department of Health; 410 IAC 6-8.2-~~4345~~*)

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#### **410 IAC 6-8.2-~~4446~~ Application and plan submittal**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

~~Sec. 44.~~ Sec. 46. (a) The owner or his agent shall submit to the department or local health department, whichever has authority, an application and a plan for construction of a new onsite system, repair, or replacement of a soil absorption field.

(b) An application shall include, but is not limited to, the following:

- (1) Owner's name, address and signature (or signature of agent representing the owner), and daytime telephone number.
- (2) Name, address, and daytime telephone number of agent representing the owner, if applicable.
- (3) Name, address, and daytime telephone number of professional engineer or registered architect, if applicable.
- (4) Location of property.
- (5) Parcel identification number.
- (6) Designation of property as either a residence or commercial facility, and if the application is for a new onsite system, repair, or replacement of a soil absorption field.
- (7) The **number of bedrooms and** design daily flow of **the a** residence, **residential outbuilding,** or **design daily flow of a** commercial facility.

(c) A plan submittal shall comply with the requirements of the following:

- (1) **Technical Specification for Onsite Sewage Systems, 20032005 Edition, Chapter 2, Sections II and III** for a new onsite system or replacement of a soil absorption field, and must address the demands and limitations of the site.
- (2) **Technical Specification for Onsite Sewage Systems, 20032005 Edition, Chapter 2, Section III, Sections B.C. 23. ab. through gd., B. 3. a., and B. 6. 4., 5., and 8.** for an onsite system repair.
- (3) Local ordinances, policies and procedures.

*(Indiana State Department of Health; 410 IAC 6-8.2-~~4446~~)*

#### **410 IAC 6-8.2-~~4547~~ Written site evaluation reports**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

~~Sec. 45.~~Sec. 47. (a) A written site evaluation report conducted in accordance with **Technical Specification for Onsite Sewage Systems, 20032005 Edition, Chapter 2, Section II**, shall be provided for all sites proposed for a new onsite system or replacement of a soil absorption field. The written site evaluation report shall be reviewed as part of the plan submittal.

4CWT

(b) For a commercial facility onsite system, and ~~for experimental and alternative~~ technology onsite systems, a soil scientist as defined in **Section 3940** of this rule shall provide the written site evaluation report.

4CWT

(c) For residential onsite systems, other than experimental ~~and alternative~~ technology onsite systems, the written site evaluation report shall be provided by any of the following:

- (1) A soil scientist as defined in **Section 3940** of this rule.
- (2) Staff of a local health department whose responsibilities include the application and enforcement of this rule and who are proficient in the ability to the observation, measurement, and describeion of soil properties and landforms.

5IBA-



(d) The local health department may require that a soil scientist, as defined in **Section 3940** of this rule, provide the written site evaluation report for a residential onsite system. (*Indiana State Department of Health; 410 IAC 6-8.2-4547*)

**410 IAC 6-8.2-4648 Onsite system construction permit; local health department**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3; IC 16-41-25-1

~~Sec. 46.~~Sec. 48. (a) The owner or agent shall obtain a written construction permit signed by the health officer for construction of an onsite system prior to the following:

(1) The start of construction or the placement of a residence that will not be connected to a wastewater treatment plant at the time of initial occupancy.

(2) The start of any construction of a residential onsite system repair or soil absorption field replacement.

(3) The start of any construction, or the placement of a residence, that increases the design daily flow as defined in **Technical Specification for Onsite Sewage Systems, 20032005 Edition, Chapter 5, Section I. A.**

(4) The start of construction of a residential outbuilding which will generate sewage, or the addition of plumbing to an existing residential outbuilding, when the outbuilding is not connected to a wastewater treatment plant.

(5) The start of construction of any commercial facility, repair of a commercial facility onsite system, replacement of a commercial facility soil absorption field, or any replacement, reconstruction, or expansion of a commercial facility where:

(A) plan review and construction permit issuance has been delegated by the department to the local health department; or

(B) construction permit issuance is required by local ordinance.

(b) The owner or agent shall obtain all necessary federal, state and local permits and approvals before construction begins on an onsite system.

(c) Any proposed changes, alterations or additions to a plan submittal for which a local health department has issued a construction permit shall be approved, in writing, by the local health department prior to the implementation of the changes.

(d) A construction permit issued by a local health department shall expire upon completion and final approval of construction of an onsite system, or within two (2) years after issuance, whichever comes first.

(e) A plan submittal for a residential onsite system, or for commercial facility onsite system delegated to a local health department, shall be reviewed and found in compliance with this rule and **Technical Specification for Onsite Sewage Systems, 20032005 Edition**, by the local health department prior to issuance of a written construction permit.

(f) The approval of a plat by the local plan commission or the county recorder does not constitute approval by the local health department for the construction of an onsite system.

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(g) If an onsite system as described in this rule cannot be constructed, the local health department may not permit the construction of a new onsite system, repair, or replacement of a soil absorption field without the written approval of the department except as provided under Sections 4244(a) and 5153(c) of this rule.

(h) The local health department may not permit the construction of a new onsite system, repair, or replacement of a soil absorption field containing experimental or alternative technology without the written approval of the department, unless authority for plan review and approval is delegated to the local health department under Section 4244(c)(2) of this rule.

(i) In accordance with IC 16-41-25-1, the local health department shall issue or deny, in writing to the owner, a residential onsite system construction permit within forty-five (45) days of receipt of an application and complete plan submittal.

(j) Proposed residential onsite systems are exempt from Appendix C, Figure 3-4 of the Technical Specification for Onsite Sewage Systems, 20032005 Edition if all of the following requirements are met:

- (1) The subdivision plat for the property was approved and recorded by a local plan commission or county recorder prior to December 21, 1990.
- (2) The suitability of the soil for a soil absorption field on the property is rated slight or moderate in accordance with the National Soil Survey Handbook, 1993, Part 620.08(b), Septic Tank Absorption Fields.
- (3) The soil absorption field on the property is sized by the following minimum criteria:

Permeability Rating (inches per hour)	Size of Soil Absorption Field (square feet per bedroom)
2 to 6	250
1 to 2	330

(4) The health officer of the county in which the property is located provides the following, in writing, to the department:

(A) Certification that the local health department reviewed and recommended approval of the subdivision plat to the local plan commission or county recorder, either verbally, in writing, or by other locally acceptable routine procedure, when the subdivision plat was originally approved.

(B) Certification that no properties in the subdivision currently have failures as defined in 410 IAC 6-8.2-23.

(C) All information required in Technical Specification for Onsite Sewage Systems, 20032005 Edition, Chapter 2, Sections II and III.

(k) Proposed residential onsite systems will be granted an exemption from Appendix C, Figure 3-4, Technical Specification for Onsite Sewage Systems, 20032005 Edition if all of the following requirements are met:

- (1) The subdivision plat for the property was approved and recorded by a local plan commission or county recorder prior to December 21, 1990.
- (2) The suitability of the soil for a soil absorption field on the property is rated severe, or is not rated, in accordance with the National Soil Survey Handbook, 1993, Part 620.08(b), Septic Tank Absorption Fields.
- (3) The health officer of the county in which the property is located provides the following, in writing, to the department:
  - (A) Certification that the local health department reviewed and recommended approval of the subdivision plat to the local plan commission or county recorder, either verbally, in writing, or by other locally acceptable routine procedure, when the subdivision plat was originally approved.
  - (B) Certification that no properties in the subdivision currently have failures as defined in **Section 2223** of this rule.
  - (C) All information required in **Technical Specification for Onsite Sewage Systems, 2003-2005 Edition, Chapter 2, Sections II and III**.

*(Indiana State Department of Health; 410 IAC 6-8.2-~~4648~~)*

**410 IAC 6-8.2-~~4749~~ Onsite system approval letter; department**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3; IC 25-31-1-2

~~Sec. 47.~~Sec. 49. (a) The owner shall obtain an approval letter from the department for construction of a commercial facility onsite system prior to the following:

- (1) the start of construction or placement of a building which will not be connected to a wastewater treatment plant at the time of initial occupancy,
- (2) the start of construction of a commercial facility onsite system repair or soil absorption field replacement, or
- (3) the start of construction of any replacement, reconstruction, or expansion of a commercial facility which may increase water usage, except as provided in **Section 4244(c)(1)** of this rule.

(b) The owner shall obtain all necessary state and local permits and approvals before construction begins on an onsite system.

(c) Any proposed changes, alterations or additions to a plan submittal for which an approval letter has already been issued shall be approved, in writing, by the department prior to the implementation of the changes, except as provided in **Section 4244(c)(1)** of this rule.

(d) An approval letter issued by the department, except for a regulated facility, shall expire upon completion of onsite system construction or within two (2) years of the effective date, whichever comes first.

(e) The owner shall submit an application and complete plan submittal for the construction of an onsite system to the department, except as provided in **Section 4244(c)(1)** of this rule, as follows:

(1) The application and plan submittal for a commercial facility onsite system shall be made at least ninety (90) days prior to the planned start of construction. The application shall be on a form provided by the department.

(2) The plan submittal shall include one (1) set of detailed construction plans and specifications certified and sealed by a professional engineer or registered architect currently registered in Indiana. Registered land surveyors may certify and seal plans only for sanitary sewers, storm sewers, and subsurface drains.

(f) A complete plan submittal for commercial facility onsite system shall be reviewed and found in compliance with of this rule and **Technical Specification for Onsite Sewage Systems, 20032005 Edition** by the department prior to issuance of an approval letter, except as provided in **Section 4244(c)(1)** of this rule.

IC 16-41-25-1  
does not  
apply to  
approval  
letters issued  
by the  
department

~~(g) The department shall issue or deny, in writing to the owner, a commercial onsite system approval letter within forty-five (45) days of receipt of an application and complete plan submittal.~~

~~(h) The department shall issue or deny, in writing to the owner, a residential onsite system approval letter for which it has authority within forty-five (45) days of receipt of an application and complete plan submittal.~~

~~(g)(i)~~ The approval of a plat by the local plan commission or the county recorder does not constitute approval by the department for the construction of an onsite system. (*Indiana State Department of Health; 410 IAC 6-8.2-4749*)

#### **410 IAC 6-8.2-4850 Onsite system operating permit**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 13-15-1; IC 16-19-3

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~~Sec. 48.~~ Sec. 50. (a) ~~The owner may be required to obtain a Local health departments or the department, whichever has authority, may require written operating permits for use, inspection and maintenance of an onsite system as provided for in Section 42(a)(3) of this rule in accordance with IC 16-19-3-27(b)(2), as required in Technical Specification for Onsite Sewage Systems, 2005 Edition, Chapter 8, Section II. A. 2., as follows:~~

(1) A written operating permit issued by the department shall be signed by the state health commissioner or his duly authorized representative.

(2) A written operating permit issued by a local health department shall be signed by the health officer.

(b) An operating permit shall be renewed as follows:

(1) At least **biennially once every three (3) years** for onsite systems having components requiring scheduled inspection and maintenance.

(2) At least once every five (5) years for onsite systems not having components requiring scheduled inspection and maintenance.

(c) An operating permit shall identify all components of an onsite system requiring inspection and maintenance.

(d) An operating permit requiring scheduled inspection and maintenance shall contain the following:

(1) Name, address, and telephone number of the service company contracted to perform inspection and maintenance.

(2) Description of the operation and maintenance document or documents used for scheduled inspection and maintenance.

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(e) The owner, ~~or service company contracted to perform inspection and maintenance,~~ shall provide the department or local health department, whichever has authority, with the following:

(1) Written documentation of all scheduled and unscheduled inspection and maintenance within one (1) month of the date performed.

(2) A copy of the inspection and maintenance contract.

(f) The department may require the owner of a commercial facility onsite system to obtain an operating permit pursuant to **IC 13-15-1-2, in lieu of the requirements of this section.** (*Indiana State Department of Health; 410 IAC 6-8.2-4850*)

#### **410 IAC 6-8.2-4951 Inspections**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

~~e. 49.~~Sec. 51. (a) The onsite system, when constructed, shall comply with the requirements of this rule, all local ordinances, and the requirements of the approval letter and construction permit.

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(b) The local health department is responsible for inspections of the following:

(1) Residential onsite systems.

(2) Residential alternative technology onsite systems ~~delegated to the local health department for plan review and permit issuance.~~

(3) Residential experimental technology onsite systems ~~delegated to the local health department for plan review and permit issuance.~~

(4) Residential temporary sewage holding tanks.

(5) Onsite systems delegated by the department.

(c) ~~The onsite system design engineer or architect department~~ is responsible for ~~inspections of~~ the following:

~~(1) Residential alternative technology onsite systems not delegated to the local health department for plan review and permit issuance.~~

~~(2) Residential experimental technology onsite systems not delegated to the local health department for plan review and permit issuance.~~

~~(1)(3)~~ **Inspection of eC** commercial facility onsite system with design daily flow of seven hundred fifty (750) gallons per day or less for which plan review and construction permit issuance has not been delegated to the local health department under **Section 4244(c)(1)** of this rule.

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Most changes recommended by WWMC in this section have been rejected: the Dept. does not have the resources to inspect all exp. & alt. tech. OS for which it performs plan review & approval. The Dept. is committed to provide training & support to LHDs that permit exp. & alt. OS in their cos.

(2)(4) ~~Inspection of~~ commercial facility onsite systems with a design daily flow of greater than seven hundred fifty (750) gallons per day.

(3) ~~Certification, in writing, to the department and local health department that the commercial facility onsite system is in compliance with this rule, all local ordinances, and the requirements of the approval letter and construction permit.~~

(d) The local health department, or ~~design engineer or architect department~~ may not certify compliance with this rule, all local ordinances, and the requirements of the approval letter and construction permit based on a statement by an installer that the onsite system was installed as designed.

(e) Prior to the start of construction, the owner or agent shall notify the following:

(1) The local health department according to written procedures developed by the local health department.

(2) The department, and ~~professional engineer or registered architect~~, and local health department at least seven (7), but no more than ten (10), working days prior to construction of a commercial facility onsite system for which the department has issued an approval letter.

(f) The installer of an onsite system shall:

(1) comply with written procedures established by the local health department for inspection of residential onsite systems that assure installation in compliance with this rule, all local ordinances, and the requirements of the onsite system construction permit; and

(2) not cover any portion of a commercial facility onsite system, prior to inspection, that would preclude the department, local health department, and the design engineer or architect from making a determination that it is installed in compliance with this rule, all local ordinances, and the requirements of the approval letter and construction permit.

(g) The local health department may inspect commercial facility onsite systems for which an approval letter is issued by the department.

(h) Written documentation on inspections shall be maintained by the following:

(1) The department which issues an approval letter, or

(2) The local health department which issues a construction permit.

*(Indiana State Department of Health; 410 IAC 6-8.2-4951)*

**410 IAC 6-8.2-5052 Application denial, and approval letter or construction permit revocation**

**Authority: IC 16-19-3-4; IC 16-19-3-5**

**Affected: IC 16-19-3**

~~Sec. 50.~~ Sec. 52. (a) After review of an application and plan submittal, the department or the local health department, whichever has authority for plan review and approval, may deny approval for construction of a new onsite system, repair, or replacement of a soil absorption field. Reasons for denial include, but are not limited to, any of the following:

- (1) False information was submitted in the application.
- (2) The plan submittal does not comply with the requirements of this rule and local ordinances.
- (3) The plan submittal does not address the demands and limitations of the onsite system site.
- (4) The owner failed to respond to a written request for a revised plan submittal or for additional information within forty-five (45) calendar days.

(b) The department or the local health department, whichever has authority, may deny an application for construction of a new onsite system, repair, or replacement of a soil absorption field if:

- (1) a sanitary sewer of a wastewater treatment plant is available within three hundred (300) feet of the property line of the affected property, or the estimated cost of sewer construction and connection does not exceed one hundred fifty percent (150%) of the estimated cost of an onsite system; and
- (2) the sanitary sewer and the treatment facility of the wastewater treatment plant have adequate capacity as defined by the Indiana department of environmental management.
- (c) If an application is denied, the owner shall be advised, in writing, of the basis for the denial, the right and procedure for appeal, and the deadline for appeal.

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(d) The department may modify or revoke an approval letter, or the local health department may modify or revoke a construction permit, in writing, for construction of a new onsite system, repair, or replacement of a soil absorption field. Reasons for modification or revocation include, but are not limited to, any of the following:

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(1) The soil absorption field site has been disturbed or altered after collection of information for the written site evaluation report.

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(2) False information has been submitted to obtain the approval letter or construction permit.

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(3) Information submitted in the written site evaluation report or plan submittal is found to be wrong.

(4) Errors or omissions are discovered after the approval letter or construction permit has been issued.

(5) It is found that the plan submittal is in violation of the requirements of this rule, local ordinances, or the conditions of the approval letter or construction permit.

Given changes rejected by the Dept. in Sec 51, recommended WWMC changes in these subsections are also rejected.

(6) The owner or agent failed to notify the department ~~and~~ the local health department ~~and the design engineer or architect~~ at least seven (7), but no more than ten (10), working days prior to construction of a commercial facility onsite system.

(7) The owner or agent failed to request an inspection by:

(A) the local health department, according to written procedures developed by the local health department; and

(B) the department ~~and~~ local health department ~~and the professional engineer or registered architect~~ for a commercial facility onsite systems.

(8) It is determined that the installation of the onsite system is in violation of the requirements of this rule, local ordinances, or the conditions of the approval letter or construction permit.

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(e) If a construction permit is revoked, the owner shall be advised, in writing, of the basis of the revocation, the right and procedure for appeal, and the deadline for appeal.

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(f) If an approval letter or construction permit is revoked, construction may not proceed on the onsite system, and the residence or commercial facility it serves, until a new approval letter or construction permit is issued.

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(g) If an approval letter or construction permit has been revoked, the following shall occur for a new approval letter or construction permit to be issued:

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(1) The owner shall provide, as required by the department or local health department, a new or revised site evaluation and plan submittal.

(2) The proposed plan submittal shall comply with the requirements of this rule, local ordinances, and, when applicable, requirements of the department for experimental or alternative onsite systems.

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(h) If an application is denied, or an approval letter or construction operating permit is revoked, by the department, the provisions of IC 4-21.5 shall be followed.

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*(Indiana State Department of Health; 410 IAC 6-8.2-~~5052~~)*

#### **410 IAC 6-8.2-~~5153~~ Onsite system failure and correction**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

~~See. 51.~~Sec. 53. (a) The owner shall correct the failure of an onsite system or its components, whichever is applicable, within the time limit set by the local health department or the department.

(b) When replacement of the soil absorption field is required, requirements in this rule for application, plan submittal, approval letter or construction permit, and inspection, shall be followed.

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(c) Soil absorption field replacement for a residential onsite system shall be made in accordance with the application of optimum system design based on the site, and the best judgment of the local health department, except that:

(1) replacement of a soil absorption field cannot be contrary to Sections 4345(a) and 4345(b) of this rule; and

(2) no portion of a replacement soil absorption field can be constructed to a depth greater than forty-eight (48) inches below final grade.

(d) A local health department shall not issue a construction permit for repair of an onsite system or replacement of a soil absorption field using experimental or alternative technology without the written approval of the department, unless Sections 4244(c)(2) and 4244(c)(3) apply. *(Indiana State Department of Health; 410 IAC 6-8.2-~~5153~~)*

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#### **410 IAC 6-8.2-~~5254~~ Temporary sewage holding tanks**



**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 13-18-12; IC 16-19-3

Sec. 52. Sec. 54.

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(a) An approval letter may be issued by the department, or a construction permit may be issued by a local health department, whichever has authority, for a temporary sewage holding tank only as follows:

(1) To provide time for an onsite system repair, replacement of a soil absorption field, or connection to a sanitary sewer.

(2) When soil ~~wetness~~ conditions exist that preclude the prompt installation of a soil absorption field:

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(A) an approval letter issued by the department, or a construction permit issued by a local health department, whichever is applicable, shall be obtained for construction of an onsite system prior to the issuance of a temporary sewage holding tank approval letter or construction permit;

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(B) the proposed absorption field site shall be staked out and protected from disturbance or alteration; and

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(C) the temporary sewage holding tank approval letter, or construction permit, whichever is applicable, shall be valid for no more than one (1) year from the date of issuance.

(3) For commercial facilities, when temporary work site facilities are used during construction of a permanent structure that is to be served by an onsite system or wastewater treatment plant.

(4) When a connection is being secured to a sanitary sewer that is part of a conservancy district, sewer district, private utility or municipality, and the provisions of either Section 5254(d) or 52(e) of this rule have been met.

(b) The following requirements shall be met for all temporary sewage holding tanks:

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(1) An approval letter ~~and operating permit~~ from the department, or a construction permit ~~and operating permit~~ from the local health department, whichever has authority, shall be obtained prior to the start of construction for new residences and new commercial facilities.

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(2) An approval letter ~~and operating permit~~ from the department, or a construction permit ~~and operating permit~~ from the local health department, whichever has authority, shall be obtained prior to the use of a temporary sewage holding tank to abate a sewage discharge from a failing residential or commercial facility onsite system in conjunction with this requirement:

(A) the department or local health department may issue an order to pump and haul from an existing septic tank while the application for a temporary sewage holding tank is being submitted and processed; and

(B) the department or local health department, whichever has authority, shall establish expiration dates for temporary sewage holding tank approval letters and construction permits issued under this subsection.

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(3) An application and plan submittal required by Section 46 of this rule shall be made to the department or the local health department, whichever has authority, prior to the

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issuance of an approval letter or construction permit required by Section 44 of this rule.

(4) A copy of a contract with a licensed wastewater management business pursuant to 327 IAC 7.1 shall be submitted to the department or the local health department, whichever has authority. ~~The contract shall stipulate the frequency of pumping, based on wastewater flow and tank capacity.~~

(5) Any outlets from a tank used as a temporary sewage holding tank shall be sealed and made watertight.

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(6) The department or local health department, whichever has authority, ~~may~~ shall require a high water alarm or indicator. ~~The Any~~ alarm, switches, controls, and electrical wiring shall comply with the applicable sections of Technical Specification for Onsite Sewage Systems, 2003/2005 Edition, Chapter 5, Section VIII. D.

(7) The sewage from a temporary sewage holding tank shall be collected and disposed of in compliance with IC 13-18-12-2.

(8) Receipts shall be kept as proof the tank is being pumped, and made available, upon request, to the department or local health department, whichever has authority.

(c) Sanitary sewers, manholes, and sanitary sewage pump stations shall not be used as temporary sewage holding tanks.

(d) The following requirements apply when a connection is being secured to a sanitary sewer that is part of a conservancy district, sewer district, private utility or municipality (referred to as an 'entity' in this section):

(1) The owner or agent shall submit written verification from the entity that a sewer connection will be available within two (2) years. For individual residences, a contract for construction of said sewer shall have been awarded to substantiate the availability of a sewer.

(2) The owner or agent shall obtain a written statement from the entity certifying that:

(A) the proposed project is not expected to cause overloading/bypassing in the collection system under dry weather conditions; and

(B) there is sufficient capacity in the treatment plant to adequately treat the flow and achieve the applicable National Pollutant Discharge Elimination System (NPDES) permit effluent limitations.

(3) For commercial facilities, the tank shall be sized for a holding capacity of at least three (3) days at the ninety percent (90%) level of the tank.

(4) For residences, the local health department shall specify the tank size.

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(5) The temporary sewage holding tank approval letter or construction permit, and operating permit, shall be valid for no more than two (2) years from the date of issuance.

(e) The following requirements apply for commercial facilities, when a connection is being secured to a sanitary sewer that is part of a conservancy district, sewer district, private utility or municipality is proposed, but where a contract for construction of said sewer has not yet been awarded:

(1) A site evaluation report shall be submitted demonstrating that the site is suitable for an onsite system.

(2) Plans, as described in **Technical Specification for Onsite Sewage Systems, 20032005 Edition**, shall be submitted for the onsite system with the exception that detailed plan views, cross-sections and specifications for onsite system components are not required. If subsurface drainage is required, an adequate outlet shall be documented.

(3) The applicant shall submit a written timetable from the utility detailing the proposed schedule for sewer construction. The utility shall also certify that the proposed project is not expected to cause overloading/bypassing in the collection system under dry weather conditions, and there is sufficient capacity in the treatment plant to adequately treat the flow and achieve applicable NPDES permit effluent limitations.

(4) The tank shall be sized for three (3) days holding capacity at the ninety percent (90%) level of the tank.

(5) The proposed absorption field site shall be staked out and protected from disturbance or alteration.

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(6) The temporary sewage holding tank approval letter or construction permit shall be valid for no more than two (2) years from the date of issuance.

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(7) By the approval letter or construction permit expiration date, a connection to the utility sewer shall be completed, or the approved onsite system shall be constructed. If said utility sewer is under construction by that time, an extension of the holding tank approval letter or construction permit may be requested.

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(f) The following requirements apply for commercial facilities, where temporary work site facilities are used during construction of a permanent structure that is to be served by an onsite system:

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(1) An approval letter or construction permit for the construction of an onsite system to serve the permanent structure has been issued.

(2) The tank shall be sized for three (3) days holding capacity at the ninety percent (90%) level of the tank.

(3) The proposed absorption field site shall be staked out and protected from disturbance or alteration.

(Indiana State Department of Health; 410 IAC 6-8.2-~~5254~~)

#### **410 IAC 6-8.2-~~5355~~ Experimental technology**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

Sec. 53.Sec. 55. (a) The department may approve the installation of experimental technology to permit development of new or more efficient sewage treatment or soil ~~dispersal processes~~absorption fields.

(b) The owner or agent proposing to install an experimental technology onsite system shall:

- (1) comply with the requirements contained in Technical Specification for Onsite Sewage Systems, 20032005 Edition, Chapters 1, 2, 3, 4, 8, and applicable sections of Chapters 5, 6 and 7; and
- (2) file a restriction on the deed of the property, when any of the following exist, indicating that:
  - (A) the onsite system serving the property requires an operation and maintenance contract, when required by the department;
  - (B) the onsite system serving the property requires a set-aside area, when required by the department, pursuant to Section (f);
  - (C) the soil absorption field set-aside area be protected from disturbance or alteration; and
  - (D) the replacement soil absorption field does not meet the soil or site requirements of this rule and the Technical Specification for Onsite Sewage Systems, 2003 Edition, when these requirements cannot be met.
- (c) The following information shall be provided to the department as available for review of an experimental technology:
  - (1) A description of operation of the experimental technology, including scientific and engineering principles upon which it is based.
  - (2) For an experimental technology soil absorption field:
    - (A) a description of the site criteria required for successful operation of the technology, including documentation of research and field performance applicable to soil and climatological conditions found in Indiana; and
    - (B) the design criteria for sizing the technology to meet all site and soil conditions required by the department.
  - (3) For secondary treatment ~~devices~~ units and high strength waste devices:
    - (A) the design criteria for sizing the device to meet all waste flow characteristics; and
    - (B) procedures used for effluent sampling and analysis.
  - (4) Performance that the experimental technology is expected to meet.
  - (5) Life span of the materials used in the experimental technology.
  - (6) Criteria and requirements for operation and maintenance of the experimental technology over its life expectancy.
  - (7) A copy of any approvals from other states or government units and the statutes, codes, ordinances, and other regulatory documents under which the approval was granted.
  - (8) Research and development data, and data on field performance.
  - (9) Certifications (with test results), from independent testing laboratories.Information shall include the following:
  - (A) An affidavit certifying that research, certifying organizations, and principal investigators have no conflict of interest.
  - (B) A statement of the source(s) of compensation for services.

(C) A statement that research, certifying organizations, and principal investigators do not stand to gain financially from the sale of the experimental technology.

(10) Three (3) copies of the following:

(A) Owner notifications required in Technical Specification for Onsite Sewage Systems, 20032005 Edition, Chapter 8, Section II. A.

(B) Documentation required in Technical Specification for Onsite Sewage Systems, 20032005 Edition, Chapter 8, Section II. A.

(C) Product literature and pricing information.

(d) The department may require the effluent from secondary treatment ~~devices~~ units be sampled and analyzed according to the requirements contained in Technical Specification for Onsite Sewage Systems, 20032005 Edition, Chapter 8, Section IIIV.

(e) The department may limit the number of onsite systems incorporating experimental technology ~~until such time that sufficient data has been collected on~~ while the performance of the experimental technology is being documented in the field.

(f) For a new residence containing an experimental technology soil absorption field, the department may require a set-aside area for an alternate ~~means of soil dispersal~~ soil absorption field site:

(1) the set-aside area shall be included in the plan submittal required in Technical Specification for Onsite Sewage Systems, 20032005 Edition, Chapter 2, Sections II through V;

(2) the set-aside area must be of sufficient size and suitable soil conditions to allow for the construction of an onsite system that complies with the requirements of Section 54-56 of this rule or Technical Specification for Onsite Sewage Systems, 20032005 Edition, Chapters 6 or 7; and

(3) the set-aside area must be protected from disturbance or alteration until released, in writing, by the department or local health department, whichever has jurisdiction, or until connection to a wastewater treatment plant is secured.

(g) For a commercial facility containing an experimental technology soil absorption field, the department may require a set-aside area or contingency plan for an alternate ~~means of soil dispersal~~ soil absorption field site:

(1) the set-aside area shall be included in the plan submittal required in Technical Specification for Onsite Sewage Systems, 20032005 Edition, Chapter 2, Sections II through V;

(2) a set-aside area for a commercial facility must comply with the requirements of Sections (h)(1), (h)(2) and (h)(3); and

(3) a contingency plan for a commercial facility must be approved by the department prior to design of the experimental technology onsite system.

(h) The requirement for a set-aside area for a soil absorption field replacement containing an experimental technology soil absorption field may be waived, the size may be reduced, or required soil conditions modified, in accordance with Section 54-53(c) of this rule. If a set-aside area is required, the following must be met:

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(1) Plans for the set-aside area shall be included in the plan submittal required in Technical Specification for Onsite Sewage Systems, 20032005 Edition, Chapter 2, Sections II through V.

(2) The set-aside area must be of sufficient size and suitable soil conditions, if possible, to allow for the construction of an onsite system that complies with the requirements of Section 54-56 of this rule or Technical Specification for Onsite Sewage Systems, 20032005 Edition, Chapters 6 or 7.

(3) The set-aside area must be protected from not be disturbed or altered until released, in writing, by the department or local health department, whichever has jurisdiction, or until connection to a wastewater treatment plant is secured.

*(Indiana State Department of Health; 410 IAC 6-8.2-5355)*

**410 IAC 6-8.2-5456 Alternative technology**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

Sec. 56. (a) The department may approve the installation of alternative technology sewage treatment or soil dispersal processesabsorption fields when:

(1) the manufacturer has demonstrated to the department that the alternative technology will provide a level of public health and environmental protection at least equivalent to that of onsite systems permitted by this rule,

(2) the alternative technology is designed and constructed in accordance with manufacturer's instructions while in compliance with this rule and the Technical Specification for Onsite Sewage Systems (2005 Edition), and

(3) the department's evaluation has included a review of broad scale field usage in Indiana.

(b) The owner or agent proposing to install an alternative technology onsite system shall:

(1) comply with the requirements contained in Technical Specification for Onsite Sewage Systems, 20032005 Edition, Chapters 1, 2, 3, 4, 5 (applicable sections), and 8; and

(2) file a restriction on the deed of the property, when either of the following exist, indicating that:

(A) the onsite system serving the property requires an operation and maintenance contract, when required by the department; and

(B) the replacement soil absorption field does not meet the soil or site requirements of this rule and the Technical Specification for Onsite Sewage Systems, 2003 Edition, when these requirements cannot be met.

*(Indiana State Department of Health; 410 IAC 6-8.2-5456)*

**410 IAC 6-8.2-5557 ~~Groundwater protection standards~~Nitrates**

**Authority:** IC 16-19-3-4; IC 16-19-3-5; IC 16-20-1-12

**Affected:** IC 13-18-17; IC 16-19-3

~~e. 55.~~Sec. 57. (a) In accordance with IC 13-18-17-5 and 327 IAC 2-11-1, et. seq., groundwater protection procedures required in the provisions of Technical

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Changes made in response to several comments to: postpone rule; cost; impact of onsite

Specification for Onsite Sewage Systems, 20032005 Edition, Chapter 3, Section VI shall apply to new onsite systems installed after January 1, 2010.

(b) By April 30, 2008, the department shall publish a report including the following:

(1) A review of literature and recent research to document:

(A) the effect of nitrates in drinking water on public health;

(B) the effect of onsite systems on levels of nitrates in groundwater;

(C) the movement of nitrates in soils; and

(D) the technologies available to achieve compliance with the requirements of  
Section (a).

(2) The impact of the requirements of Section (a), including an estimate of:

(A) the number of residences and commercial facilities affected; and

(B) the cost of implementation.

*(Indiana State Department of Health; 410 IAC 6-8.2-~~5557~~)*

**410 IAC 6-8.2-~~5658~~ Local health department compliance**

~~Sec. 56.~~Sec. 58. (a) When local health departments propose, draft, or recommend adoption of, or changes to, a local ordinance for onsite systems, written confirmation shall be obtained from the department that the proposed ordinance, or changes to an ordinance, do not conflict with this rule and sewage disposal statutes before the ordinance is presented to the county commissioners.

(b) Local health departments shall obtain written approval from the department of procedures required in Sections 4951(e)(1) and 4951(f)(1) of this rule.

(c) Each local health department onsite system permit program is subject to review by the department. Such review may include, but not be limited to, the following:

(1) ~~Review of p~~Permits that have been issued.

(2) ~~Review Reports~~ of onsite system inspections.

(3) Supporting documentation.

(d) Whenever the department determines that a local health department onsite system program is not in compliance with this rule, the department may require remedial action and a reasonable time period necessary for compliance.

(e) If a local health department fails to comply with a directive issued by the department under Section (d), the department may require the local health department to submit plans, construction permits, and supporting documentation for department review. The department may further require that before the local health department issues any onsite system construction permit, a written release for such construction permit shall be obtained from the department. Such review may continue until the department is satisfied that ongoing compliance with this rule has been achieved.

(f) Each local health department shall submit to the department an annual report of onsite system permits issued and onsite systems installed, as follows:

(g) The report shall be:

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~~(A)(1)~~ submitted by February 15 of the year following the calendar year in which data is collected; and

~~(B)(2)~~ made on a form provided by the department or other format approved by the department.

~~(3) Data for new residences and commercial facilities shall be sorted by the following:~~

~~(A) Type of soil absorption field:~~

~~(i) with subsurface drainage; and~~

~~(ii) without subsurface drainage.~~

~~(B) Secondary treatment device manufacturer, if applicable, by:~~

~~(i) type of device; and~~

~~(ii) type of soil absorption field.~~

~~(4) Data for each soil absorption field replacement shall include the following:~~

~~(A) Existing soil absorption field:~~

~~(i) type;~~

~~(ii) year installed, if known;~~

~~(iii) year failed, if known; and~~

~~(iv) whether or not subsurface drainage was part of the onsite system, if known.~~

~~(B) Soil absorption field replacement:~~

~~(i) type;~~

~~(ii) whether or not subsurface drainage is part of the soil absorption field replacement; and~~

~~(iii) manufacturer and type of secondary treatment device, if applicable.~~

~~(5) Data for each onsite system repair shall include the following:~~

~~(A) Year onsite system was installed, if known.~~

~~(B) Component or components repaired.~~

*(Indiana State Department of Health; 410 IAC 6-8.2-~~5658~~)*

#### **410 IAC 6-8.2-~~5759~~ Enforcement**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

~~Sec. 57.~~ Sec. 59. (a) For residential and commercial facility onsite systems, the local health department may issue a written order to an owner in violation of this rule, local sewage ordinance, or any condition of a construction or operating permit. The written order shall state the nature of the violation and a time limit for satisfactory correction.

(b) For commercial facility onsite systems, the department may issue a written order to an owner in violation of this rule, or any condition of an approval letter. The written order shall state the nature of the violation and a time limit for satisfactory correction.

(c) An owner or agent, upon receipt of an order, shall comply with the order and this rule.



(d) The department or local health department may issue an order to stop work when any of the following occur:

(1) Construction of an onsite system has started without the following:

(A) A construction permit from the local health department for a residence or a commercial facility where:

(i) plan review and construction permit issuance has been delegated by the department to the local health department; or

(ii) construction permit issuance is required by local ordinance.

(B) An approval letter from the department for a commercial facility, or experimental or alternative technology onsite system, except when plan review and construction permit issuance has been delegated by the department to the local health department.

(2) Construction of an onsite system is in violation of the construction permit, approval letter, this rule, or local sewage ordinance.

(3) Any other conditions exist that may result in the revocation of an approval letter or construction permit, as listed in Section 5052(d) of this rule.

(e) A local health department may report to the department concerns involving septic or dose tank design, quality, construction, or performance pursuant to Technical Specification for Onsite Sewage Systems, 20032005 Edition, Chapter 5, Sections IV, V, and VI. Concerns must be detailed in writing to the department.

(f) Enforcement of operation and maintenance provisions for experimental and alternative technology onsite system technologies shall be:

(1) By the local health department for construction permits issued under Section 4648 of this rule.

(2) By the department for approval letters issued under Section 4749 of this rule.

*(Indiana State Department of Health; 410 IAC 6-8.2-~~5759~~)*

#### **410 IAC 6-8.2-~~5860~~ Incorporation by reference**

**Authority:** IC 16-19-3-4; IC 16-19-3-5

**Affected:** IC 16-19-3

~~See: 58:Sec. 60.~~ The following documents are incorporated by reference as a part of this rule:

(1) Technical Specification for Onsite Sewage Systems, 20032005 Edition. Copies may be obtained by mailing a request to the Indiana State Department of Health, 2 North Meridian, Section 5-E, Indianapolis, Indiana 46204. This document is available for public review at the department.

(2) Bulletin SE 11, The Sanitary Vault Privy, 1986 Edition. Copies may be obtained by mailing a request to the Indiana State Department of Health, 2 North Meridian, Section 5-E, Indianapolis, Indiana 46204. This document is available for public review at the department.

(3) National Soil Survey Handbook, 1993, Part 620.08(b), Septic Tank Absorption Fields. Copies may be obtained by mailing a request to the USDA-NRCS-NSSC,



Federal Building, Room 152 - Mail Stop 35, 100 Centennial Mall North, Lincoln, NE 68508-3866, or online at <http://soils.usda.gov/procedures/handbook/main.htm>. This document is available for public review at the department.

| (*Indiana State Department of Health; 410 IAC 6-8.2-~~5860~~*)

**SECTION 2. THE FOLLOWING ARE REPEALED: 410 IAC 6-8.1; 410 IAC 6-10.**

| **SECTION 3. SECTIONS 1 and 2 of this document take effect March 1, 2005.**